

REMARKS

These remarks are in response to the office action mailed July 5, 2005.

Claims 63-90, 93-94, 97-111, 113-114 and 116-127 have been cancelled without prejudice to Applicants' right to prosecute the canceled subject matter in any divisional, continuation, continuation-in-part or other application. Claim 111 was deemed allowable. However, as noted above, claim 111 has been cancelled. The content of cancelled claim 111 is encompassed by new claims 128 and 129 which are directed to polypeptide sequences of the invention.

New claims 130-132 have been added. New claims 130 and 131 are directed to isolated host cells comprising polypeptides of the invention. Support for claims 130 and 131 can be found, for example, at page 17, lines 6-10. Additional support for isolated host cells of the invention can be found, for example, in the "Examples." Support for new claim 132 can be found throughout the specification.

No new matter is believed to have been introduced. Applicants respectfully request examination and allowance of the pending claims.

REJECTIONS UNDER 35 U.S.C. §112, FIRST AND SECOND PARAGRAPHS

Claims 63-90, 93, 94, 97-110, and 113-127 stand rejected under 35 U.S.C. §112, first paragraph and/or 35 U.S.C. §112, second paragraph. While Applicants traverse these rejections, Applicants note that the rejected claims have been cancelled. Applicants reserve the right to present the cancelled claims in a subsequent continuing or divisional application. Accordingly, Applicants request withdrawal of the pending rejections.

In summary, for the reasons set forth herein, Applicants submit that new claims 128-132 clearly and patentably define the invention. Applicants request that the Examiner reconsider the various grounds set forth in the Office Action and allow the claims which are now pending. If the Examiner would like to discuss any of the issues raised in the Office Action, Applicants' representative can be reached at (858) 509-7318. Please charge any additional fees, or make any credits, to Deposit Account No. 02-4800.

Respectfully submitted,

BUCHANAN INGERSOLL L.L.P.

Date: November 2, 2005

By:



Michael Reed, Ph.D.
Registration No. 45,647

Suite 300
12230 El Camino Real
San Diego, CA 92130
(858) 509-7300